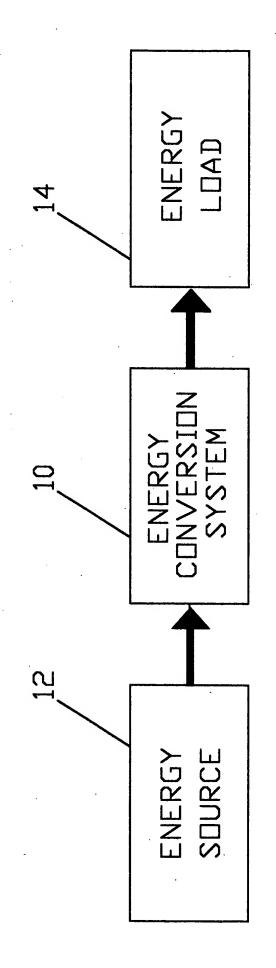
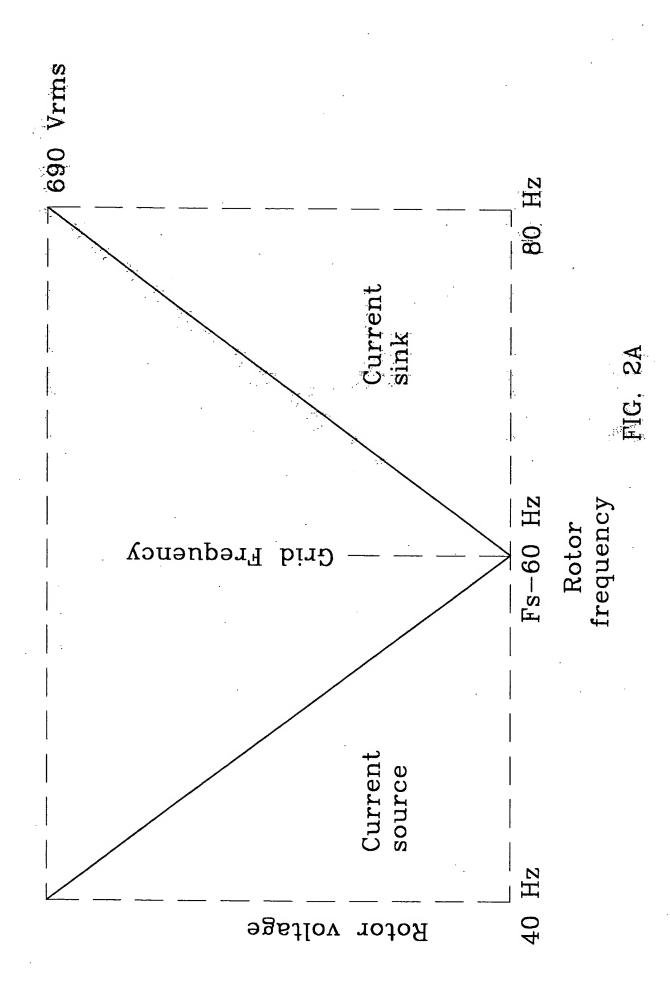


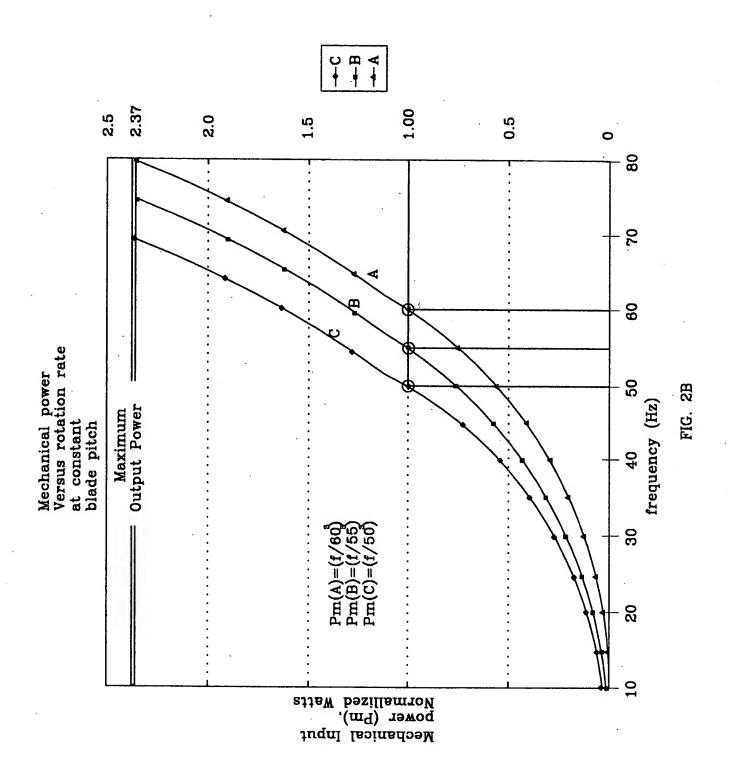
FIG. 1A



FIG, 1B

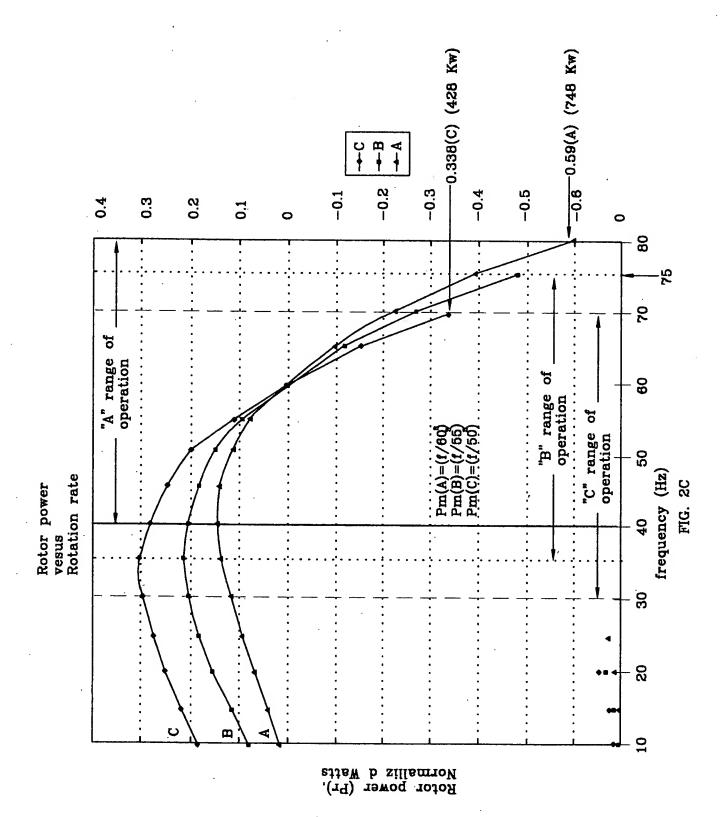


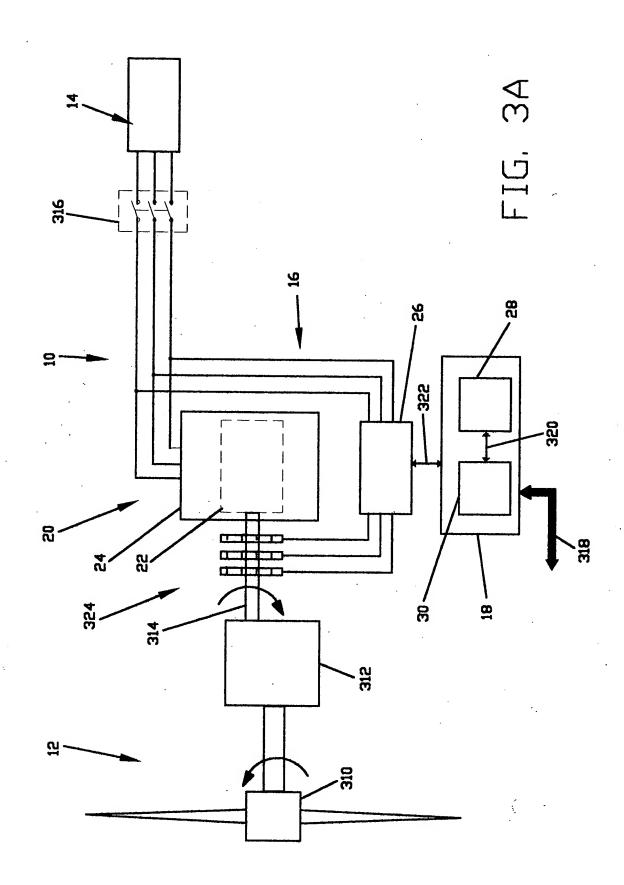
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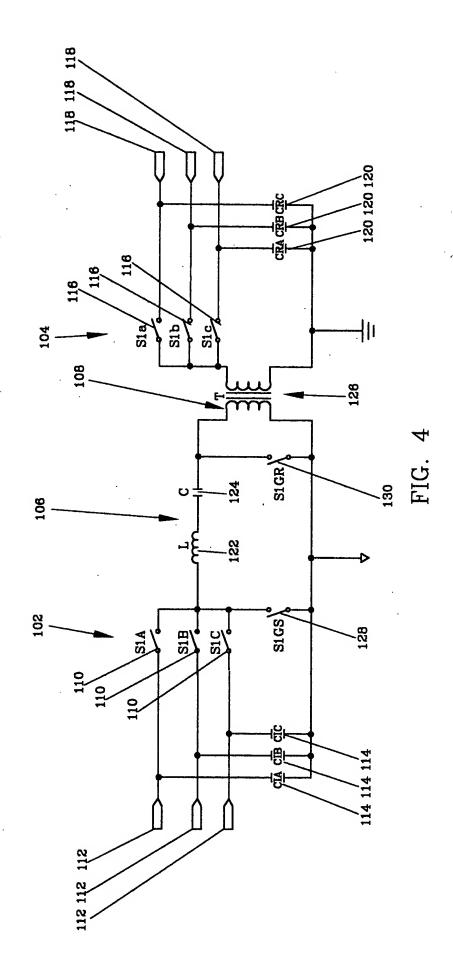


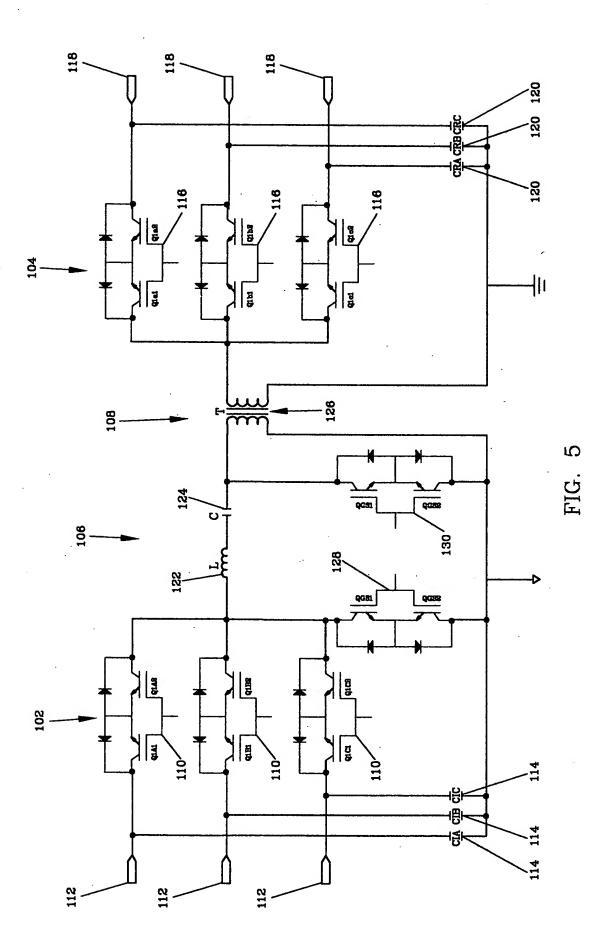
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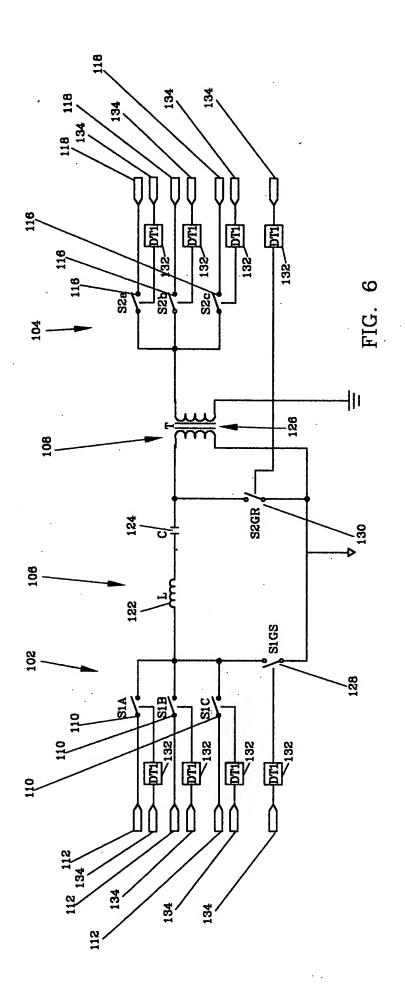


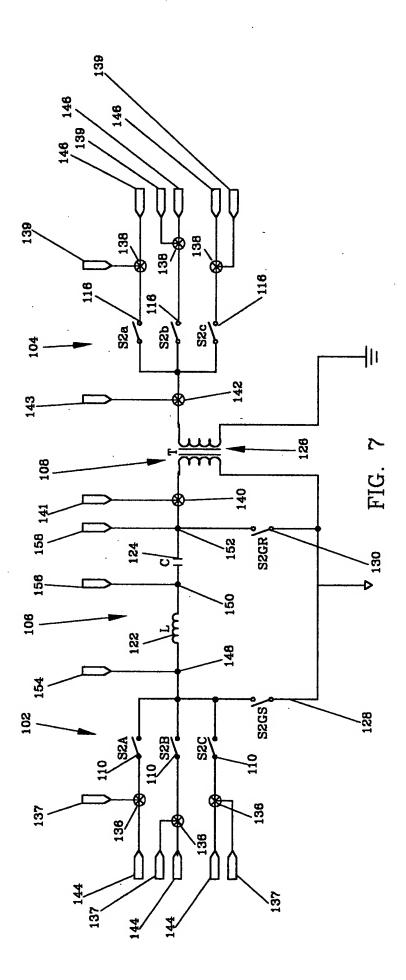


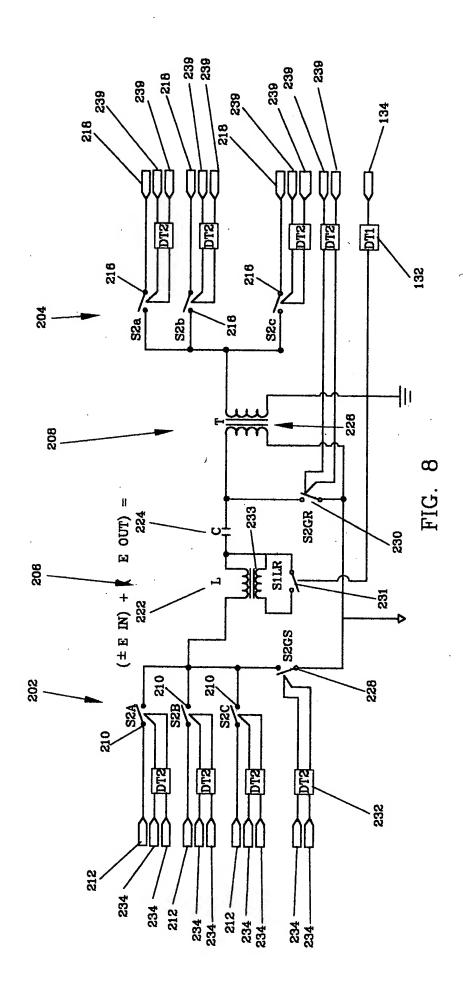




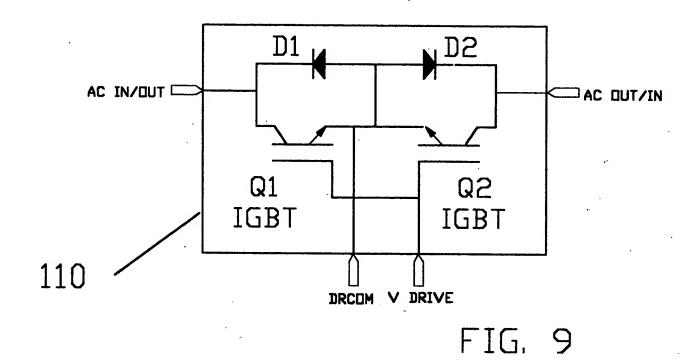


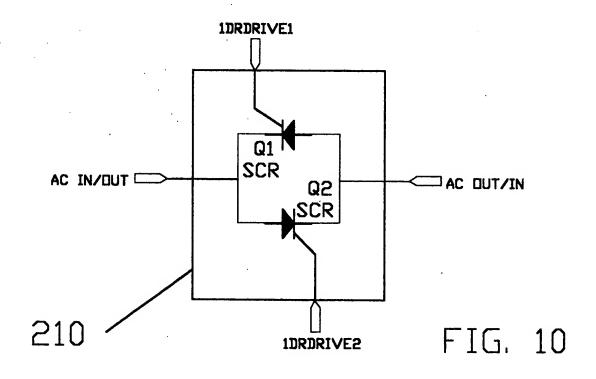


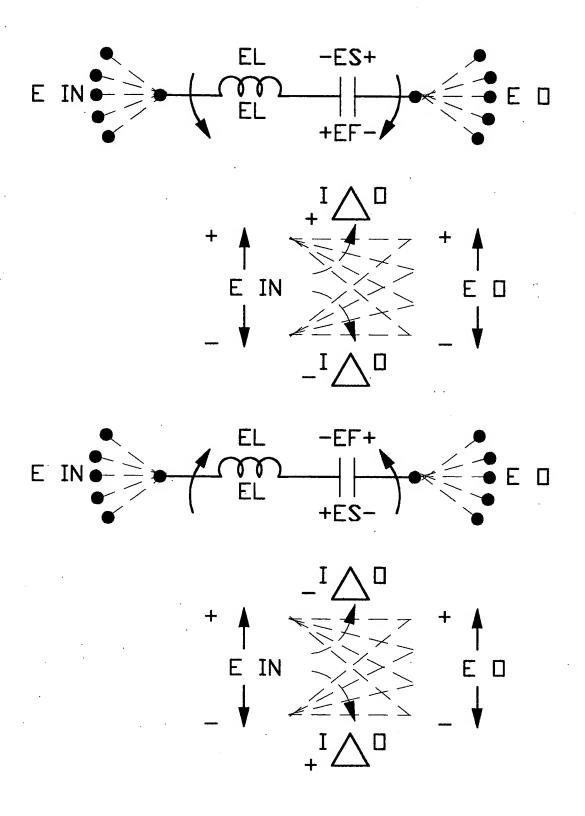




e







CHARGE TRANSFER
$$\bigcirc$$
 >

E IN \bullet \leftarrow \bullet ED \bigcirc I \bigcirc WHEN $+$ E IN \rightarrow $+$ E DUT

 \bullet EIN \bullet \leftarrow \bullet ED \bigcirc I \bigcirc WHEN $+$ E IN \rightarrow $+$ E DUT

 \bullet E IN \bullet \bullet ED \bigcirc I \bigcirc WHEN $+$ E IN \bullet \bullet ED UT

 \bullet EL = ES \bullet ED \bigcirc I \bigcirc WHEN \bullet ED UT

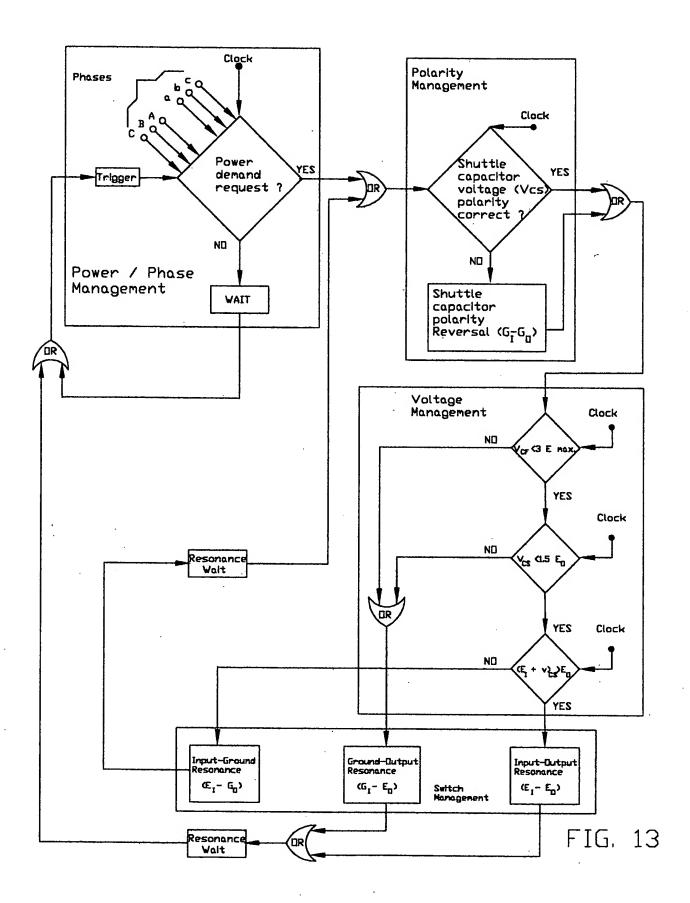
 \bullet EL = ES \bullet ED \bigcirc I \bigcirc WHEN \bullet ED UT

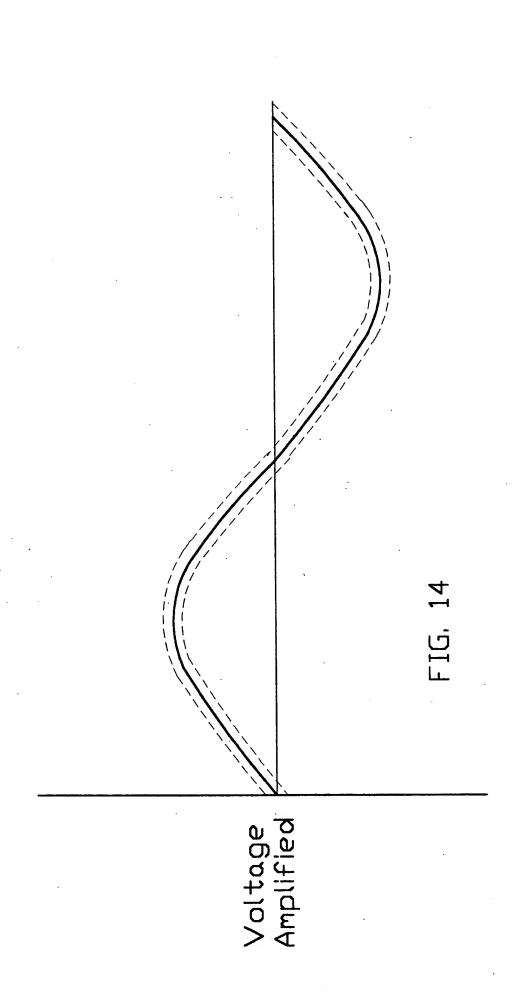
 \bullet EIN \bullet \bullet ED \bigcirc I \bigcirc WHEN \bullet ED UT

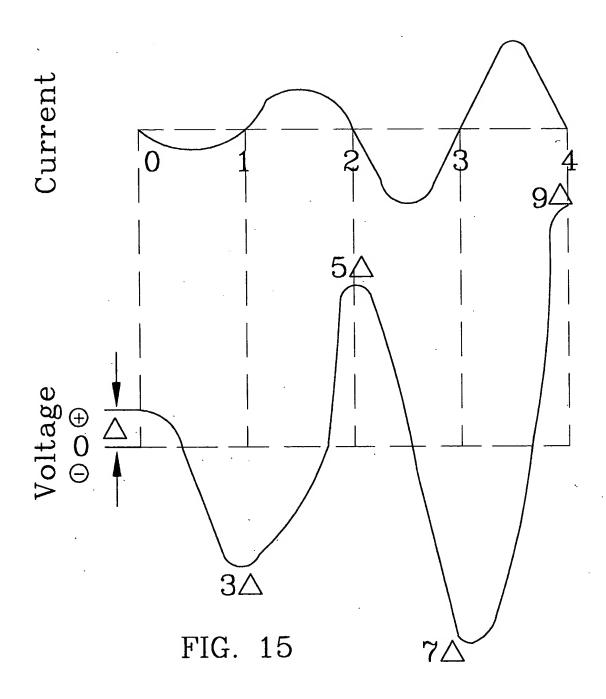
 \bullet EIN \bullet \bullet ED \bigcirc I \bigcirc WHEN \bullet ED UT

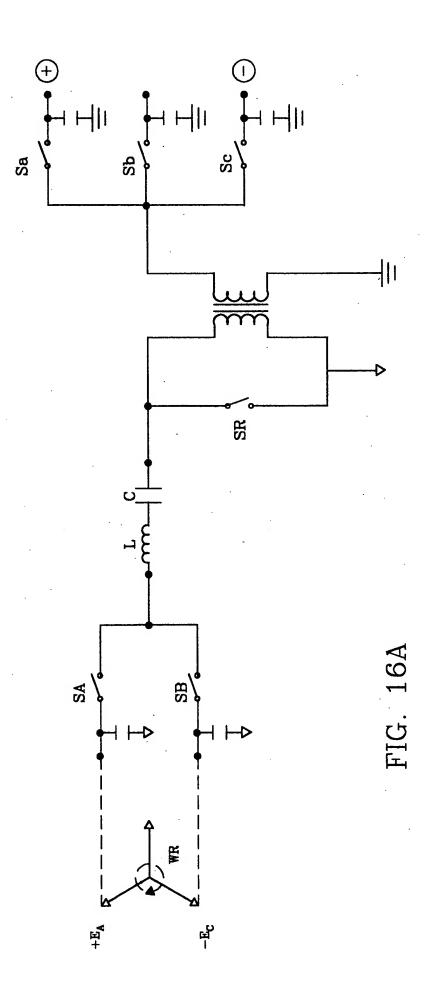
$$(\pm E \text{ IN}) + (\pm E \text{ DUT}) = \pm I \triangle D$$

$$EL = ES \pm I \triangle D$$









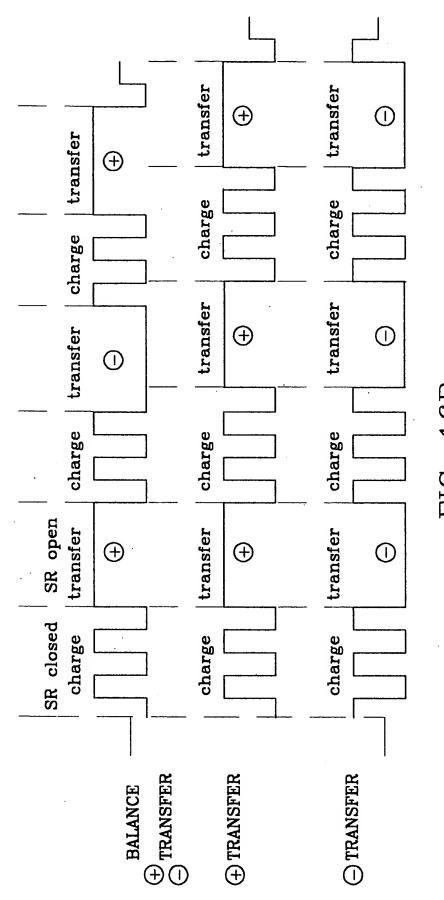
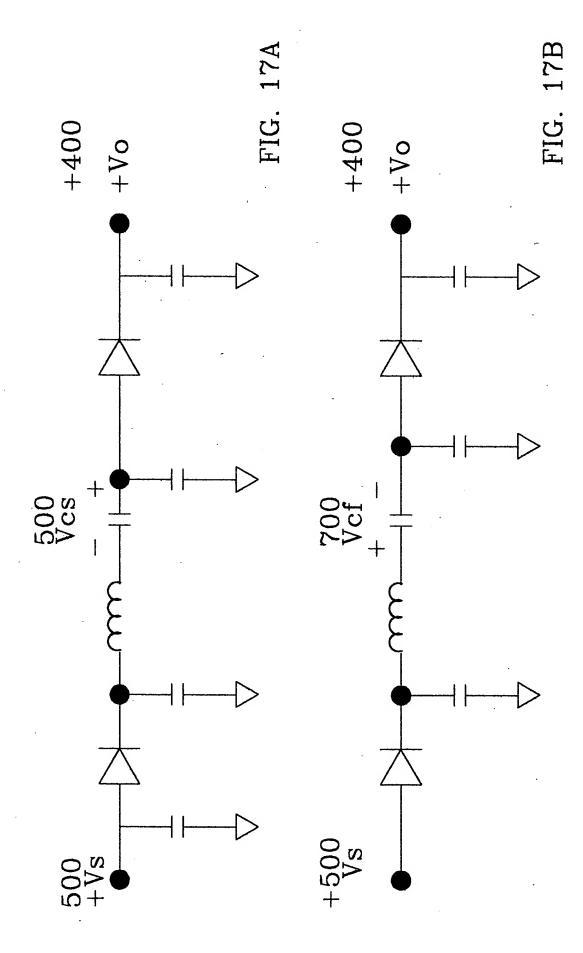


FIG. 16B



1B
$$-(\mp E_{\rm I}) + (\mp E_{\rm O}) = \pm_{\rm I} \triangle_{\rm O}$$

FIG. 19

2A,2B
$$|E_L| = |V_{cs}| + (\pm L_D \triangle_0)$$

$$3A,3B | \Delta Vc | = 2 | E_L |$$

Therefore

4A,4B
$$|\Delta Vc| = 2$$
 $|Vcs| + |\Delta_0|$
5A,5B $|\Delta_0| = |\Delta_0| = |\Delta_0|$
6A,6B $|\Delta_0| = |\Delta_0| = |\Delta_0|$

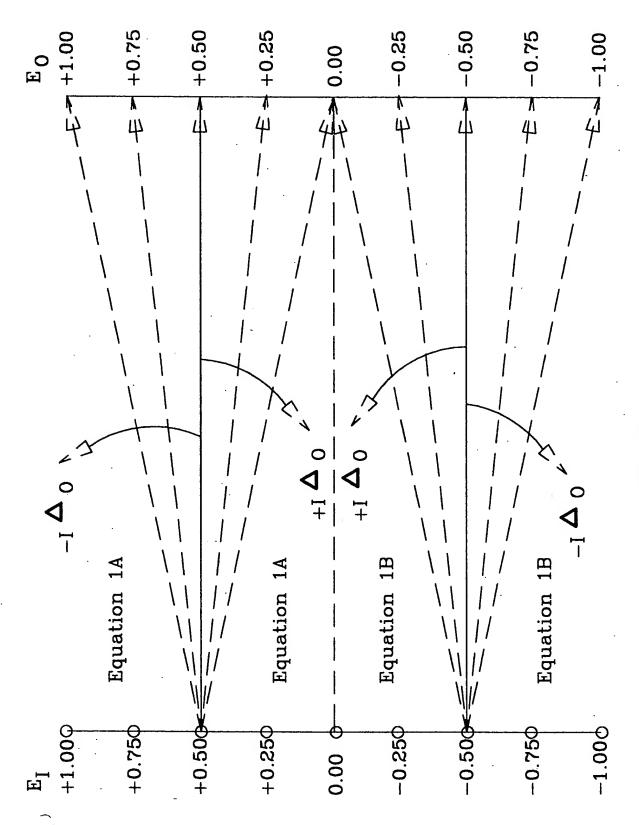
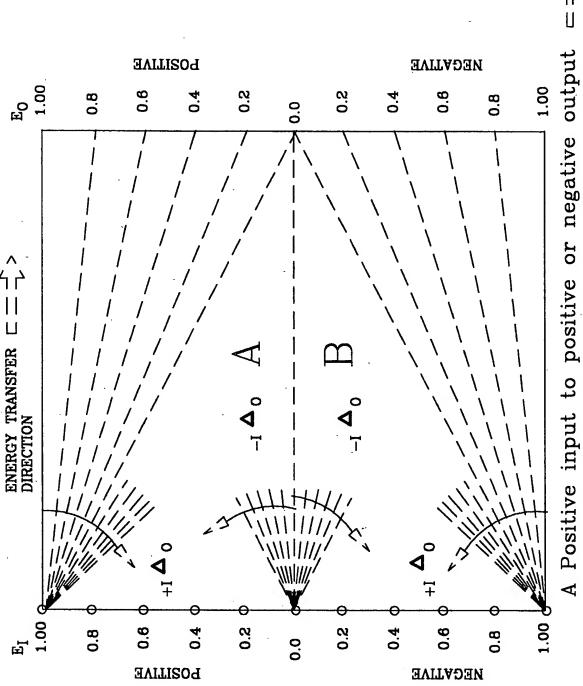


FIG. 21





슈 비 B Negative input to negative or positive output $= \Rightarrow$